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## TRANSMITTAL FORM (to be used for all correspondence after initial filing) Application Number O8/487,312 Filing Date June 7, 1995 First Named Inventor Walter L. MILLER Art Unit 1646 Examiner Name C. Saoud

Attorney Docket Number 200 220002016004 Total Number of Pages in This Submission ENCLOSURES (Check all that apply) After Allowance Communication Fee Transmittal Form Drawing(s) to Group Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Appeal Communication to Group Amendment/Reply (Submission in Petition (Appeal Notice, Brief, Reply Brief) Re-Opened Prosecution -15 pp) Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address Other Enclosure(s) (please Extension of Time Request Terminal Disclaimer identify below): Declaration of Charles R. Mahla **Express Abandonment Request** Request for Refund (with 4 attachments) (total 22 CD, Number of CD(s) Information Disclosure Statement Declaration of Robert B. Petersen, Ph.D. (total 23 pages) Certified Copy of Priority (continued in Remarks) Document(s) Remarks Response to Missing Parts/ Incomplete Application Customer No. 25225 Response to Missing Parts under 37 CFR 1.52 or 1.53 Declaration of Raymond Bradley (13 pages) Copy of U.S. Patent 5,618,789 (55 pages) Exhibits A through H (total 71 pages) Return Receipt Postcard SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm **MORRISON & FOERSTER LLP** Kate H. Murashige - 29,959 Individual name Signature Date March 26, 2004 I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EL 984097703 US, in an envelope addressed to: MS Non-Fee Amendment, Commissioner for Patents, P.Q. Box 1450, Alexandria, VA 22313-1450, on the date shown below. Dated: March 26, 2004 Signature:



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Docket No.: 220002016004

(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Walter L. MILLER, et al.

Application No.: 08/487,312

Filed: 7 June 1995

For: BOVINE GROWTH HORMONE

Art Unit: 1646

Examiner: C. Saoud

## SUBMISSION IN RE-OPENED PROSECUTION

MS Non-Fee Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Applicants greatly appreciate the decision on the Petition to Re-Open Prosecution herein permitting Applicants to submit additional evidence of commercial success and withdrawing the finality of the Office action dated 16 October 1996. A response due date of 26 March 2004 was set, and thus, this response is timely filed. Reconsideration and allowance of the pending claims in light of the evidence below is respectfully requested.

This response includes:

- The Declaration of Charles R. Mahla and Exhibits 1-4 attached thereto; 1.
- The Declaration of Dr. Robert B. Petersen and attached curriculum vitae; 2.

Application No.: 08/487,312 Docket No.: 220002016004

3. The Declaration of Raymond Bradley and attached list of references;

- 4. A copy of U.S. patent 5,618,789 issued 8 April 1997;
- 5. The following Exhibits:
- Exhibit A: Wood et al., Purification and Characterization of Pituitary Bovine Somatotropin, J. Biol. Chem. 264:14741 (1989).
- Exhibit B: Leung et al., Purification and Physiochemical Properties of a Recombinant Bovine Growth Hormone Produced by Cultured Murine Fibroblasts, *Endocrinol*. 119:1489 (1985).
- Exhibit C: Johnson et al., Formation of Isoaspartate at Two Distinct Sites during In Vitro Aging of Growth Hormone, J. Biol. Chem. 264:14262-71 (1989).
- Exhibit D: Bell et al., Crystallization and Preliminary X-ray Characterization of Bovine Growth Hormone, J. Biol. Chem. 260:8520 (1985).
- Exhibit E: Eppard et al., Comparison of the galactopoietic response to pituitary-derived and recombinant-derived variants of bovine growth hormone, *J. Endocrinol*. 132:47 (1992).
- Exhibit F: Hart et al., A comparison of the growth-promoting, lipolytic, diabetogenic, and immunological properties of pituitary and recombinant-DND-derived bovine growth hormone (somatotropin), *Biochem. J.* 224:93 (1984).
- Exhibit G: Hart et al., The heterogeneity of bovine growth hormone: Extraction from the pituitary of components with different biological and immunological properties, *Biochem J.* 218:573-581 (1984).
- Exhibit H: Bauman et al., Response of high-producing diary cows to long-term treatment with pituitary somatotropin and recombinant somatotropin, *J. Dairy Sci.* 68:1352 (1985).

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